

ABSTRACT OF THE DISCLOSURE

DIGITAL INCLINOMETER AND RELATED METHODS

An inclinometer for measuring the angle between a reference angular position and an angularly adjustable surface, such as on the control surfaces of a model aircraft. In one form, the inclinometer has a beam and a pair of opposed arms attached to the beam with centering faces to attach the inclinometer to the leading and trailing edges of the adjustable surface. In another form, the inclinometer has opposed gripping faces to attach to opposite sides of the adjustable surface. A pair of accelerometers sense the earth's gravitational vector and supply output signals to a data processor. The data processor determines a first reference position and a second angular position of the adjustable surface to determine the angle of the adjustable surface. A display receives information from the data processor to display the angle. Related methods are also disclosed.